Index of Claims

| Application/Control N | 10. |
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10/797,923

Examiner

Thomas L. Dickey

Applicant(s)/Patent under Reexamination

FURUHATA, SHOICHI Art Unit

2826

| √ | Rejected |
|---|----------|
| = | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| Ļ | Restricted                     |

| Z | Non-Elected  |
|---|--------------|
| ı | Interference |

| Α | Appeal   |
|---|----------|
| 0 | Objected |

| Cla             | aim      |                 |          |          | Di       | ate       |         |           |          |          | Cla        | aim      |           |          |          | Date                    | =               |          | _                              | <b> </b> | С  | aim        |  |                 |          | Ī        | Date      |          |          |          |          |
|-----------------|----------|-----------------|----------|----------|----------|-----------|---------|-----------|----------|----------|------------|----------|-----------|----------|----------|-------------------------|-----------------|----------|--------------------------------|----------|--|------------|--|-----------------|----------|----------|-----------|----------|----------|----------|----------|
|                 |          |                 |          |          |          | П         |         | П         |          |          |            | 77       |           |          |          |                         | П               |          |                                |          |  | 1          |  |                 |          |          |           |          |          | ĺ        |          |
| Final           | Original | 0.0             | 04/05    |          |          |           |         | - 1       |          |          | Final      | Original |           |          |          |                         |                 |          |                                |          | Final  | Original   |  |                 |          |          |           |          |          |          |          |
| ιĒ              | Ę        | 03/             | 8        |          |          |           |         |           |          |          | i <u>E</u> | Ę        |           |          |          |                         |                 |          |                                |          | i <u>Ē</u>                                       | Ë          |  |                 |          |          |           |          |          |          |          |
|                 |          |                 |          | ll       |          |           |         |           |          |          |            | ٧ ا      |           |          |          |                         |                 |          |                                |          |  | ١٥         | l  |                 |          |          |           |          |          |          |          |
|                 | 1        | +               | 1        | П        |          |           | T       |           |          |          |            | 51       | П         |          |          | T                       |                 | $\neg$   | 1                              |          |  | 101        |  |                 |          |          |           |          |          |          | $\Box$   |
|                 | 2        | +               | 1        | П        | T        | Т         | T       | T         | T        |          |            | 52       |           |          |          | T                       |                 | T        |                                |          |  | 102        | Ī  |                 |          |          |           |          |          | T        | ヿ        |
|                 | 3        | +               | 1        |          | $\top$   |           | $\neg$  | $\exists$ | ┪        |          |            | 53       | П         |          |          |                         |                 | $\top$   |                                |          |  | 103        | İ  |                 |          |          |           |          | $\neg$   | 寸        | ヿ        |
|                 | 4        | +               | 1        | П        | T        | Т         | $\top$  | T         | T        |          |            | 54       |           |          |          |                         |                 | $\top$   |                                |          |  | 104        | Г  |                 |          |          |           |          | $\neg$   | 一        | $\neg$   |
|                 | 5        | +               | 1        |          | T        | 十         |         | T         | T        |          |            | 55       |           | $\neg$   | T        |                         | $\Box$          | _        | ╅                              |          |  | 105        | T  | П               |          |          |           |          |          |          | ᅱ        |
|                 | 6        | +               | 0        |          |          | $\exists$ | ┪       | T         | $\dashv$ |          |            | 56       |           |          |          |                         | $\Box$          | $\neg$   |                                |          |  | 106        | T  | П               |          | _        |           |          |          | $\neg$   | ヿ        |
|                 | 7        | +               | 1        | $\Box$   | ┪        | 7         | $\top$  | 寸         | $\top$   |          |            | 57       |           | $\neg$   |          | 1                       |                 |          |                                |          |  | 107        |  | П               |          |          | П         |          |          |          | ᅱ        |
|                 | 8        | +               | 1        | $\Box$   | $\top$   | Ť         | $\top$  | T         | $\top$   |          |            | 58       | $\Box$    | _        | 1        | 1                       | T               | $\neg$   |                                |          | <u> </u>   | 108        |  |                 |          |          | Н         |          | $\dashv$ | 7        | ⊣        |
|                 | 9        | +               | 0        | $\Box$   | 7        | Ť         | 1       | 1         | $\top$   | T        |            | 59       | П         | $\neg$   | _        | 1                       | T               | 1        | 1                              |          | <b></b> -  | 109        | <del>                                     </del> |                 |          |          | $\vdash$  |          | $\dashv$ | ᅥ        | $\dashv$ |
|                 | 10       | +               | N        |          | $\top$   | $\top$    | $\top$  | $\top$    | $\top$   | ┪        |            | 60       |           | $\dashv$ | $\top$   | $\top$                  |                 | +-       | +                              |          |  | 110        | ┢  |                 |          |          | -         |          | $\dashv$ | $\dashv$ | ᅱ        |
|                 | 11       | +               | N        |          | +        | T         | 1       | $\top$    | +        | ┪        |            | 61       |           | $\dashv$ | $\top$   | T                       | $\vdash$        |          | +                              |          |  | 111        | $\vdash$   |                 |          |          | -         | -        | -        | _        | ᅱ        |
|                 | 12       | +               | N        | $\vdash$ | +        | $\top$    | $\top$  | $\dashv$  | +        | $\dashv$ |            | 62       | Н         | $\dashv$ | +        | $\dagger$               | $\vdash \vdash$ | +        | +                              |          | <u> </u>   | 112        | $\vdash$   | Н               |          | $\vdash$ | $\vdash$  | -        | $\dashv$ | -        | ᅱ        |
|                 | 13       | +               | N        | $\vdash$ | +        | +         | +       | $\dashv$  | +        | $\dashv$ | <b></b>    | 63       | Н         | $\dashv$ | +        | +                       | <del>   </del>  | $\dashv$ | +                              |          |  | 113        | $\vdash$   | H               |          |          | $\vdash$  | -        | -        | $\dashv$ | $\dashv$ |
|                 | 14       | H               | Ť        | $\vdash$ | +        | +         | +       | $\dashv$  | +        | $\dashv$ | $\vdash$   | 64       | H         | $\dashv$ | +        | +                       | $\vdash$        | $\dashv$ |                                |          | <u> </u>   | 114        | $\vdash$   |                 | $\dashv$ | $\vdash$ | $\vdash$  | $\vdash$ | $\dashv$ | $\dashv$ | ᅥ        |
|                 | 15       | -               |          | $\vdash$ | +        | +         | +       | +         | +        | ᅱ        |            | 65       | $\vdash$  | $\dashv$ | +        | 1                       | $\vdash$        | $\dashv$ | +-                             |          | <del>                                     </del> | 115        | -  | $\vdash$        |          |          | $\vdash$  | $\dashv$ | $\dashv$ | $\dashv$ | ᅱ        |
|                 | 16       |                 | H        | $\vdash$ | +        | +         | +       | +         | +        | ᅱ        | <b> </b>   | 66       | $\vdash$  | $\dashv$ | +        | +                       | $\dashv$        | +        | +                              |          | <b>-</b>   | 116        | ┢  | $\vdash \dashv$ |          |          | H         | $\dashv$ | $\dashv$ | $\dashv$ | ᅱ        |
|                 | 17       |                 |          | $\vdash$ | +        | +         | +       | -         | $\dashv$ | ᅱ        |            | 67       | ╢         | $\dashv$ |          | +-                      | $\vdash$        | $\dashv$ | +                              |          | $\vdash$   | 117        | ╁  | $\vdash$        |          |          | H         |          | -        | ┪        | $\dashv$ |
| $\vdash$        | 18       | $\vdash$        | -        | -        | +        | ┰         | +       | +         | +        | $\dashv$ |            | 68       | -         | +        |          | +                       |                 | +        | +                              |          |  | 118        | $\vdash$   | $\vdash$        |          | -        | H         | $\dashv$ | -        | $\dashv$ | ᅥ        |
|                 | 19       |                 | _        |          | +        | +         | +       | +         | +        | $\dashv$ |            | 69       | Н         | $\dashv$ | +        | +                       | $\vdash$        |          | +                              |          | <u> </u>   | 119        | ⊢  | $\vdash$        |          | $\vdash$ | -         |          | $\dashv$ | $\dashv$ | $\dashv$ |
| -               | 20       | -               |          | $\vdash$ | +        | +         | +       | +         | ┰        | $\dashv$ |            | 70       | Н         | $\dashv$ | +        | +-                      | +               | +        |                                |          |  | 120        | -  | $\vdash$        |          |          | $\vdash$  | -        | $\dashv$ | $\dashv$ | ᅱ        |
| $\vdash$        | 21       | -               | $\vdash$ | $\vdash$ | +        | +         | +       | -         | +        | ᅱ        | <u> </u>   | 71       | $\vdash$  | $\dashv$ | +-       | ╁                       | $\vdash$        |          | +                              |          | -  | 121        | ├  | $\vdash$        |          |          |           | $\dashv$ | $\dashv$ |          | ᅱ        |
|                 | 22       | -               |          | $\dashv$ | $\dashv$ | +         | +       | +         | +        | $\dashv$ |            | 72       | -         | -        |          | +                       |                 | +        |                                |          | ļ  | 122        | -  | $\vdash$        |          |          | -         |          |          | $\dashv$ |          |
|                 | 23       |                 |          | +        | -        | +         | +       | +         | +        | $\dashv$ |            | 73       | $\vdash$  | -        |          | +                       |                 | +        | +                              |          |  | 122        | -  | $\vdash$        |          |          | -         | _        |          | -        | ᅱ        |
|                 | 24       | Н               | -        | +        | -        | +         | +       | +         | $\dashv$ | $\dashv$ |            | 74       | $\vdash$  | $\dashv$ | +        | +                       | -+              | -        |                                |          | <del> </del>                                     | 123        | ⊢  | $\vdash \vdash$ | -        | _        |           |          | $\dashv$ | $\dashv$ | $\dashv$ |
|                 | 25       | $\vdash$        | _        | $\dashv$ |          | +         | +       | +         | +        | $\dashv$ |            | 75       | $\vdash$  |          | -        | +                       | $\dashv$        | -        | +                              |          | <del> </del>                                     | 124        | ⊢  | $\vdash\vdash$  |          |          |           | -        | $\dashv$ | $\dashv$ | $\dashv$ |
|                 | 26       | -               |          | -        |          | +         | +       | +         | +        | $\dashv$ |            |          | -         | -        |          | +                       | -+              | +        | +                              |          |  | 125        | ├  | $\vdash$        |          |          | H         | $\dashv$ | -        | $\dashv$ |          |
|                 | 27       | Н               | -        | -        | - -      | -         | +       | +         | +        | $\dashv$ |            | 76<br>77 | $\vdash$  |          | +        | +                       | -+              | $\dashv$ |                                |          | _  | 126<br>127 | ⊢  | $\vdash \vdash$ |          | _        | -         |          | $\dashv$ |          |          |
| <u> </u>        | 28       |                 |          | -        | +        |           | -       | +         | +        | $\dashv$ |            |          |           |          |          | +                       |                 | $\dashv$ | +                              |          |  | 127        | ļ  | $\vdash \vdash$ |          |          | -         |          | -        | -        |          |
| -               |          | Н               |          | $\vdash$ | +        | +         | +       |           |          | ᅱ        | <u> </u>   | 78       | $\vdash$  | +        |          |                         | $\dashv$        | +        | +                              |          | <u> </u>   | 128        | ļ  | $\vdash$        |          |          | -         |          | +        |          |          |
|                 | 29       | -               |          | $\vdash$ | +        | +         | +       |           |          | -        |            | 79       | $\vdash$  | -+       |          |                         | $\dashv$        |          | +                              |          | ļ  | 129        | <u> </u>   | $\vdash \vdash$ |          |          | Ш         | -        |          | -        | _        |
|                 | 30       | _               |          | -        | +        |           | +       | -         | -        |          |            | 80       |           | -        | _        | +                       | $\perp$         | _        | $\perp$                        |          |  | 130        | ┞  | Ш               | _        |          |           | _        | -        | _        |          |
|                 | 31       |                 |          |          | +        | +         | +       | $\dashv$  | +        | _        | <u> </u>   | 81       |           |          |          | 1                       | $\vdash$        | -        | -                              |          |  | 131        | <u> </u>   | $\sqcup$        | _        |          | Ш         | _        |          | _        | _        |
|                 | 32       | -               |          | $\dashv$ | -        | +         | +       | +         | +        | _        |            | 82       |           | _        | +        | 1                       | -               |          | _                              |          |  | 132        | <u> </u>   |                 | $\dashv$ |          |           | _        | _        | 4        | _        |
| $\vdash$        | 33       | Н               | -        | $\vdash$ | +        | +         | +       | -         | -        | 4        |            | 83       | dash      | $\dashv$ |          | +-                      | -               | 4        | +                              |          |  | 133        | <u> </u>   | $\sqcup$        | _        |          | Ш         |          | _        | _        | _        |
| $\vdash$        | 34       | $\vdash$        | Ш        | $\vdash$ | +        | +         | +       | 4         | -        | 4        |            | 84       | $\sqcup$  | $\dashv$ | $\dashv$ | +-                      | $\dashv$        | - -      | $\dashv$                       |          |  | 134        | <u> </u>   |                 |          | Щ        | Ш         | _        | _        | _        | _        |
| <u> </u>        | 35       | $\vdash$        |          | $\vdash$ | +        | +         | +       | +         | 4        | 4        | <u> </u>   | 85       | Щ         | $\dashv$ |          | 1                       | 4               | +        | +                              |          |  | 135        | ļ  | $\sqcup$        |          |          | Щ         |          | _        |          | _        |
| $\vdash \vdash$ | 36       | $\vdash \vdash$ |          | $\vdash$ | +        | +         | +       | +         | -        | 4        | <b> </b>   | 86       | $\sqcup$  | $\dashv$ | -        | +                       |                 | -        | 4-4                            |          | ļ  | 136        | <u> </u>   | $\sqcup$        | _        |          | Ш         | _        | $\dashv$ | $\dashv$ | _        |
| $\vdash \vdash$ | 37       | $\vdash \vdash$ | _        | $\dashv$ | +        | +         | +       | _         | 4        | _        | <u> </u>   | 87       | $\sqcup$  | $\dashv$ | $\dashv$ | $\perp$                 | $\dashv$        |          | ╨                              |          |  | 137        | <u> </u>   | Ш               |          |          | Ш         | ļ        | _        | _        | $\dashv$ |
| $\vdash$        | 38       | $\sqcup$        | Щ        |          | $\perp$  | $\perp$   | +       | $\perp$   | $\perp$  | 4        | <u> </u>   | 88       | Щ         | $\dashv$ |          | Ш                       | $\dashv$        | $\perp$  | +                              |          |  | 138        |  | Ш               |          |          | Ш         | _        | _        | ļ        | $\dashv$ |
| <u> </u>        | 39       | $\sqcup$        | Ш        | $\dashv$ | -        | 4         | +       | +         | +        | 4        |            | 89       | ${oxdot}$ | -        | _        | $\vdash$                | $\dashv$        | $\perp$  | $\dashv$                       |          |  | 139        | <u> </u>   | $\sqcup$        |          |          | Щ         | _        | _        | _        | ᆜ        |
| $\vdash$        | 40       |                 |          |          | $\bot$   | 4         | _       | $\perp$   | $\perp$  | 4        |            | 90       | $\sqcup$  | 4        |          | $\downarrow \downarrow$ | _               | $\perp$  | Ш                              |          |  | 140        | <u> </u>   | Щ               | _        |          | Ш         | _        | _        | _        |          |
| ┝─┤             | 41       | _               |          | $\perp$  | $\perp$  | $\perp$   | $\perp$ | +         | $\perp$  | _        | igsqcup    | 91       | Ш         | $\dashv$ | $\perp$  | $\sqcup$                | _               |          | Ш                              |          | <u> </u>   | 141        |  | Ш               |          | ļ        | $\square$ |          |          |          |          |
|                 | 42       |                 |          |          | _        | $\perp$   | $\perp$ | $\perp$   | $\perp$  | 4        | $\square$  | 92       | Ш         | _        |          | $\downarrow$            | 4               | $\bot$   | Щ                              |          |  | 142        | <b> </b> _                                       | Щ               | ļ        |          | Щ         | _        | _        |          |          |
| $\sqcup \sqcup$ | 43       |                 | _        | _        | _        | $\bot$    | $\perp$ | $\bot$    | $\bot$   | 4        | $\square$  | 93       | Щ         | _        |          | $\bot$                  | $\dashv$        | _ _      | $\perp \! \! \perp \! \! \mid$ |          |  | 143        | lacksquare                                       | Щ               |          | ļ        |           | _        | $\perp$  |          |          |
| $\sqcup$        | 44       |                 |          | —⊢       | _        | $\perp$   | 4       | 4         | $\bot$   | 4        |            | 94       | $\sqcup$  | _        |          | 1                       | _               | _        | $\bot$                         |          |  | 144        |  | Ш               |          |          |           |          |          | _        |          |
| $\sqcup$        | 45       |                 |          |          | $\perp$  | $\perp$   | ┵       | 4         | $\bot$   | 4        |            | 95       | 니         | $\perp$  | $\perp$  | $\sqcup$                | $\dashv$        | 4        | $oldsymbol{\perp}$             |          |  | 145        |  | Ш               |          |          | Щ         |          | $\perp$  | _        |          |
| $\sqcup$        | 46       |                 |          | $\perp$  | ┸        | ┸         | $\perp$ |           | 4        | _[       | $\Box$     | 96       | Ш         | _        | $\perp$  |                         | $\perp$         |          | $oldsymbol{\sqcup}$            |          |  | 146        | $oxed{oxed}$                                     | Ш               | _        |          |           |          | _        |          |          |
| <b>  </b>       | 47       |                 |          |          | $\perp$  |           | $\bot$  | _ _       |          | _        |            | 97       | Ш         | $\dashv$ |          | $\sqcup$                | _               |          | $\bot$                         |          |  | 147        | Щ  | Ш               |          |          |           |          |          | [        |          |
| $oxed{oxed}$    | 48       |                 |          |          | ᆚ        | ᆚ         | $\perp$ |           | ᆜ        | _        |            | 98       |           | $\bot$   |          | $\perp \perp$           | $\perp$         |          | $\perp \perp$                  |          |  | 148        |  | Ш               |          |          | ]         | [        | [        |          |          |
|                 | 49       | Щ               |          | $\perp$  | ᆚ        |           | ᆚ       |           | $\perp$  |          |            | 99       | Ш         |          |          | $\perp$                 | $\perp$         | 丄        | $\perp \!\! \perp \!\! \perp$  |          |  | 149        | oxdot  |                 |          | ]        |           |          |          |          | _]       |
|                 | 50       | ΙI              |          |          |          |           |         | Г         |          |          |            | 100      |           | Т        |          | 1 1                     |                 |          |                                |          |  | 150        |  |                 |          | T        |           | $\neg$   | Т        | Т        | ٦        |